

Patent
72478-3417

IN THE CLAIMS:

1 1-35. (Cancelled)

1 36. (Previously Presented) A system for forming a protective layer on a plasma
2 display panel comprising;

3 a vacuum chamber housing,

4 means for supporting a plasma display panel substrate with electrodes in the
5 housing;

6 means for heating the plasma display panel substrate;

7 means for evaporating, from a source of magnesium oxide, a predetermined
8 amount of magnesium oxide to provide the protective layer on the plasma display panel
9 substrate; and

10 an electron gun aligned with the means for supporting for evaporating magnesium
11 oxide, as applied to the plasma display panel substrate, to provide a single layer of a (110)-face
12 orientation of sufficient thickness to provide sputtering resistance during a predetermined life
13 term of the plasma display panel.

1 37. (Previously Presented) The system of Claim 36 wherein the plasma display panel
2 substrate is heated to a temperature of 150°C and the magnesium oxide is applied to a thickness
3 of 5000 Å° for the protective layer.